

LISTING OF PENDING CLAIMS

1. (Previously presented) A network comprising:
a bus through which data is transmitted; and
a plurality of network devices connected to the bus,
wherein at least one of the plurality of network devices includes a measurement portion that measures a first variable in a predetermined measurement cycle and a data output portion that outputs a first result measured by the measurement portion on the bus, and
wherein at least a second one of the plurality of network devices includes a detecting portion that detects the predetermined cycle from a plurality of timings when the result is output on the bus, a measurement section that measures a second variable at measurement timings based on the predetermined cycle, and a data output section that outputs a second result measured by the measurement section on the bus.
2. (Previously presented) A network including comprising:
a bus through which data is transmitted; and
a plurality of network devices connected to the bus,
wherein at least one of the plurality of network devices includes a measurement portion that measures a variable at measurement timings based on a predetermined reference timing and a data output portion that adds measurement timing information to a first result measured by the measurement portion and outputs the first result on the bus.
3. (Previously presented) The network according to Claim 2, wherein at least a second one of the network devices includes a measurement section that measures a second variable at measurement timings based on the measurement timing information added to the first

result with respect to a base time when the first result is output, and a data output section that outputs a second result measured by the measurement section on the bus.

4. (Original) The network according to Claim 2, wherein the predetermined reference timing is a timing generated by at least one of the network devices.

5. (Original) The network according to Claim 2, wherein the predetermined reference timing is a timing when a certain network device, among the plurality of network devices, outputs a signal on the bus.